

Application No. 10/796,468
Reply to Office Action from 6/4/2007

LISTING OF CLAIMS:

This listing of claims replaces all prior versions, and listings, of claims in the application.

1. (Currently amended)

A method of hypodermically delivering a drug into a patient's body through a patient's skin, said method comprising:

[[P]] providing a jet injection device capable of delivering the drug into the patient's body through the skin as a jet of liquid,

[[F]] forming an open electrical circuit between the patient's body and said jet injection device,

[[P]] providing an electric impedance monitor connected to said electrical circuit,

[[S]] starting measuring the electrical impedance between the patient's body and said jet injection device,

[[D]] delivering the drug into the patient's body through the skin as a jet of liquid,

[[C]] closing said electrical circuit through said jet of liquid, and

[[D]] detecting a change in the electrical impedance during the delivery of the drug into the patient's body, said change indicating a success or a failure of a piercing of the skin by the jet of liquid,

wherein the electric impedance is measured directly through the jet of liquid .

2. (Original)

The method according to claim 1, further comprising the step of generating a signal indicating the change in said electric circuit impedance when said jet of liquid penetrates the patient's skin.

3. (Original)

The method according to claim 2, wherein said signal is audible.

4. (Original)

The method according to claim 2, wherein said signal is visual.

5. (Original)

The method according to claim 2, wherein said signal is both audible and visual.

Application No. 10/796,468
Reply to Office Action from 6/4/2007

6. (Currently amended)

A method of hypodermically injecting a drug into a patient's body and monitoring the injection success, comprising the steps of:

- [[P]] providing a means for hypodermic jet injection of a drug,
- [[P]] providing a means for monitoring an electric impedance between said means for hypodermic jet injection of [[a]] the drug and the patient's body,
- [[F]] forming an open electrical circuit between the patient's body and said means for hypodermic jet injection of a drug,
- [[D]] delivering the drug utilizing said means for hypodermic jet injection of the drug into the patient's body as a jet of liquid,
- [[M]] measuring the electric impedance between said means for hypodermic jet injection of [[a]] the drug and the patient's body using said means for monitoring electric impedance,
- [[D]] detecting changes in the electric impedance, said changes indicating a success or a failure of a penetration of the patient's body by the jet of liquid,
- [[G]] generating a signal indicating the changes in the electric impedance,
wherein the electric impedance is measured directly through the jet of liquid .

7. (Original)

The method according to claim 6, wherein said signal is audible.

8. (Original)

The method according to claim 6, wherein said signal is visual.

9. (Original)

The method according to claim 6, wherein said signal is both audible and visual.

10. (Withdrawn)

A jet injector drug delivery apparatus comprising:

A jet injection device,

An electric impedance monitor having electric connection to a patient's body and to said jet injection device,

Application No. 10/796,468
Reply to Office Action from 6/4/2007

Means for generating a signal indicating change in impedance, electrically coupled to said electric impedance monitor.

11. (Withdrawn)

A jet injector drug delivery apparatus according to claim 10, wherein said signal is audible.

12. (Withdrawn)

A jet injector drug delivery apparatus according to claim 10, wherein said signal is visual.

13. (Withdrawn)

A jet injector drug delivery apparatus according to claim 10, wherein said signal is both audible and visual.